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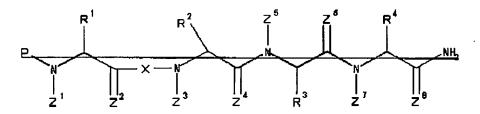
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AMENDMENTS TO THE CLAIMS

Applicants respectfully request that the application be amended without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, as follows.

1. (currently amended) A metastin derivative represented by formula (I): <u>Tvr-Asn-Trp-Asn-Ser-Phe-Gly-Leu-Arg-Tyr(Me)-NH</u>₂



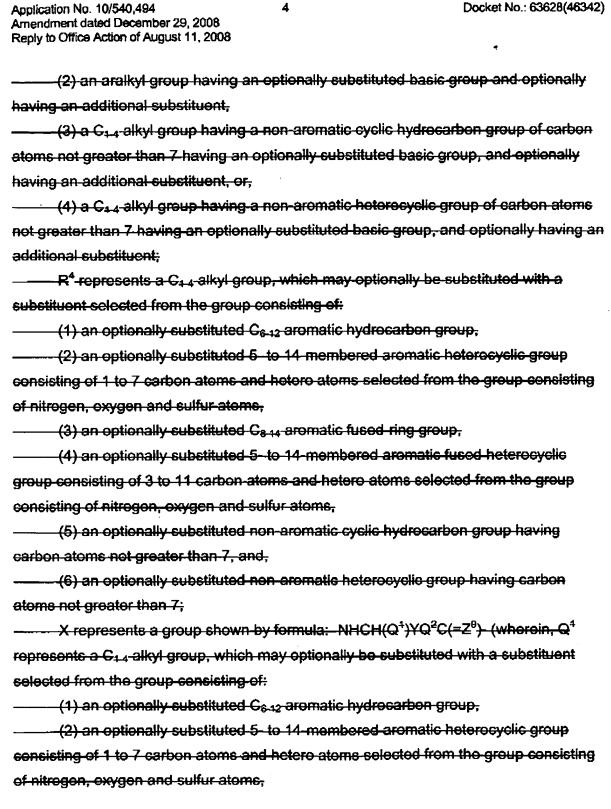
(wherein,

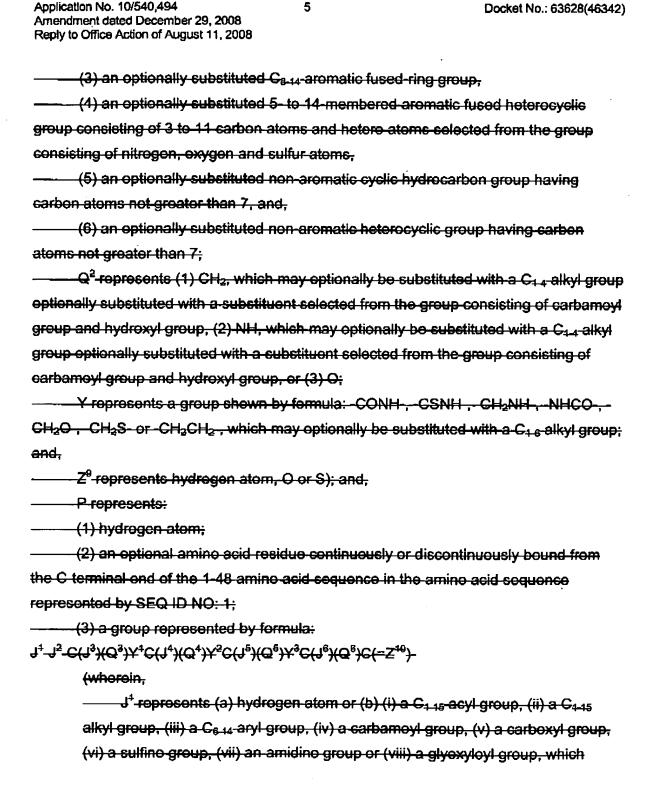
— each of Z^1 , Z^3 , Z^5 and Z^7 represents hydrogen atom or a $C_{1,3}$ alkyl group; each of Z^2 , Z^4 , Z^6 and Z^8 represents hydrogen atom. O or S:

R¹ represents (1) hydrogen atom, or (2) a C₄₋₈ alkyl group-optionally substituted with a substituent selected from the group consisting of an optionally substituted carbamoyl group, an optionally substituted hydroxyl group and an optionally substituted aromatic cyclic group:

- R² represents (1) hydrogen atom or (2) a cyclic or linear C_{1-10} alkyl group, or (3) a C_{1-10} alkyl group consisting of a cyclic alkyl group and a linear alkyl group:

(1) a G₁₋₈ alkyl group having an optionally substituted basic group and optionally having an additional substituent,





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group may optionally be substituted with (a) hydrogen atom, or (b) a substituent
containing an optionally substituted cyclic group;
J ² represents (1) NH optionally substituted with a C ₁₋₆ alkyl group, (2) CH ₂
optionally substituted with a C ₁₋₆ alkyl group; (3) O or (4) S;
each of J ³ through J ⁶ represents hydrogen atom or a C ₄₋₃ alkyl group;
each of Q3 through Q6-represents a C14 alkyl group, which may optionally
be substituted with a substituent selected from the group consisting of:
(1) an optionally substituted C ₆₋₁₂ aromatic hydrocarbon group,
(2) an optionally substituted 5- to 14-membered arematic heterocyclic
group consisting of 1 to 7 carbon atoms and hotoro atoms selected from the
group consisting of nitrogen, oxygen and sulfur atoms,
(3) an optionally substituted C _{8 44} aromatic fused ring group,
(4) an optionally substituted 5- to 14-membered-aromatic fused
heterocyclic group consisting of 3 to 11 carbon atoms and hetero atoms
selected from the group consisting of nitrogon, exygen and sulfur atoms,
(5) an optionally substituted non-aromatic-cyclic hydrocarbon group having
carbon atoms not greater than 7,
(6) an optionally substituted non-aromatic hotorocyclic group having
carbon atoms not greater than 7,
(7) an optionally substituted amino group,
——— (8) an optionally substituted guanidino group,
(9) an optionally substituted hydroxyl group,
——— (10) an optionally substituted carboxyl group,
—— (11) an optionally substituted carbamoyl group, and
——————————————————————————————————————
or hydrogen atom;
——J ³ -and Q ³ , J ⁴ -and Q ⁴ , J ⁵ -and Q ⁵ -or J ⁶ -and Q ⁶ -may be combined together,
er, J ² and Q ³ , Y ⁴ and Q ⁴ , Y ² and Q ⁵ , or Y ³ and Q ⁶ may be combined together, to
form a ring;

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Reply to Office Action of August 11, 2008 each of Y1-through-Y3 represents a group-represented by formula: CON(J¹³) . CSN(J¹³) . -C(J¹⁴)N(J¹³) - or -N(J¹³)CO - (wherein each of J¹³ and J14 represents hydrogen atom or a C1-3 alkyl group); and, -Z¹⁰-represents hydrogen atom. O or S): (4) a group represented by formula: J4-J2-C(13 HO2) X5 C(18 HO8) X3 C(18 HO8) C(-Z40) (wherein. J¹ and J² have the same significance as described above; J⁷ through J⁹ have the same significance as J⁸: Q² through Q⁹ have the same significance as Q³; Y² and Y³ have the same significance as described above: -Z⁴⁰-has the same significance as described above: ات and Q⁷. ا⁸ and Q⁸ or ا⁹ and Q⁹ may be combined together, or, ا Q7. Y2 and Q8 or Y3 and Q9 may be combined together, to form a ring); (5) a group represented by formula: ┦_ᠯ~┦₅~C(┦₄₀)(ᠪ₄₀)ҲҙС(┦₄₄)(℧₄₄)C(≂∑₁₀)~ -(whorein. -J¹-and-J²-have the same significance as described above represents: J¹⁰ and J¹¹ have the same significance as J³: -Q¹⁰ and Q¹¹ have the same significance as Q³: Y^a has the same significance as described above; Z10 has the same significance as described above; and, -J¹⁰-and Q¹⁰-or J¹¹-and-Q¹¹-may be combined together, or J²-and-Q¹⁰-or-Y³ and Q11-may be combined together, to form a ring); (6) a group represented by formula: J¹-J²-C(J¹²)(Q¹²)C(-Z¹⁰)--- (wherein. J¹ and J² have the same significance as described above; J¹²-has-the same significance as J³: -Q¹² has the same significance as Q³; BOS2 709140.1

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J⁴² and Q¹² may be combined togethor, or J² and Q⁴² may be combined togethor, to form a ring); or,

(7) a group represented by formula: J¹- (wherein, J¹ has the same significance as described above)] (provided that a peptide consisting of the amine acid sequence of 1-54, 2-54, 3-54, 4-54, 5-54, 6-54, 7-54, 8-54, 9-54, 10-54, 11-54, 12-54, 13-54, 14-54, 15-54, 16-54, 17-54, 18-54, 19-54, 20-54, 21-54, 22-54, 23-54, 24-54, 25-54, 26-54, 27-54, 28-54, 29-54, 30-54, 31-54, 32-54, 33-54, 34-54, 35-54, 36-54, 37-54, 38-54, 39-54, 40-54, 41-54, 42-54, 43-54, 44-54, 45-54, 46-54, 47-54, 48-54-or 49-54 in the amine acid sequence represented by SEQ ID NO: 1 is excluded), or a salt thereof:

2 - 6. (Cancelled)

- (withdrawn) The pharmaceutical according to claim 4, which is an agent for regulating a function of the pancreas.
- 8. (withdrawn) The pharmaceutical according to claim 4, which is an agent for preventing/treating acute or chronic pancreatitis or pancreatic cancer.
- 9. (withdrawn) The pharmaceutical according to claim 4, which is an agent for regulating a function of the placenta.
- 10. (withdrawn) The pharmaceutical according to claim 4, which is an agent for preventing/treating choriocarcinoma, hydatid mole, invasive mole, miscarriage, fetal hypoplasia, abnormal glucose metabolism, abnormal lipid metabolism or labor induction.
- 11.(withdrawn) The pharmaceutical according to claim 4, which is an agent for improving gonadal function.
 - 12. (canceled)
- 13. (withdrawn) The pharmaceutical according to claim 4, which is an agent for inducing or stimulating ovulation.
- 14. (withdrawn) The pharmaceutical according to claim 4, which is a gonadotropic hormone secretagogue agent or a sex hormone secretagogue agent.

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- 15. (withdrawn) The pharmaceutical according to claim 4, which is an agent for preventing/treating Alzheimer's disease or moderate cognitive impairment.
- 16. (withdrawn) A method for suppressing cancer metastasis or cancer proliferation, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 17. (withdrawn) A method for preventing/treating cancer, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 18. (withdrawn) A method for regulating a function of the pancreas, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 19. (withdrawn) A method for preventing/treating acute or chronic pancreatitis or pancreatic cancer, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 20. (withdrawn) A method for regulating a function of the placenta, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 21. (withdrawn) A method for preventing/treating choriocarcinoma, hydatid mole, invasive mole, miscarriage, fetal hypoplasia, abnormal glucose metabolism, abnormal lipid metabolism or labor induction, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 22. (withdrawn) A method for improving gonadal function, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 23. (withdrawn) A method for preventing/treating hormone-dependent cancer, infertility, endometriosis or myoma of the uterus, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.

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- 24. (withdrawn) A method for inducing or stimulating ovulation, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 25. (withdrawn) A method for promoting gonadotropic hormone secretion or promoting sex hormone secretion, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 26. (withdrawn) A method for preventing/treating Alzheimer's disease or moderate cognitive impairment, which comprises administering to a mammal an effective dose of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 27. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for suppressing cancer metastasis or an agent for suppressing cancer proliferation.
- 28. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for preventing/treating cancer.
- 29. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for regulating a function of the pancreas.
- 30. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for preventing/treating acute or chronic pancreatitis or pancreatic cancer.
- 31. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for regulating a function of the placenta.
- 32. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for preventing/treating choriocarcinoma, hydatid mole, invasive mole, miscarriage, fetal hypoplasia, abnormal glucose metabolism, abnormal lipid metabolism or labor induction.

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- 33. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for improving gonadal function.
- 34. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for preventing/treating hormone-dependent cancer, infertility, endometriosis or myoma of the uterus.
- 35. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for inducing or stimulating ovulation.
- 36. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture a gonadotropic hormone secretagogue agent or a sex hormone secretagogue agent.
- 37. (withdrawn) Use of the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof to manufacture an agent for preventing/treating Alzheimer's disease or moderate cognitive impairment.
- 38. (withdrawn) A pancreatic glucagon secretagogue agent, comprising an agonist for a metastin receptor.
- 39. (withdrawn) An agent for promoting urine formation, comprising an agentst for a metastin receptor.
- 40. (withdrawn) An agent for preventing/treating obesity, hyperlipemia, type II diabetes mellitus, hypoglycemia, hypertension, diabetic neuropathy, diabetic nephropathy, diabetic retinopathy, edema, urinary disturbances, insulin resistance, unstable diabetes, fatty atrophy, insulin allergy, insulinoma, arteriosclerosis, thrombotic disorders or lipotoxicity, comprising an agonist for a metastin receptor.
- 41. (withdrawn) The agent according to claim 38 through 40, wherein the agonist for a metastin receptor is the metastin derivative (I) according to claim 1 or a salt thereof, or a prodrug thereof.
- 42. (withdrawn) A method for promoting pancreatic glucagon secretion, which comprises administering to a mammal an effective dose of the agonist for a metastin receptor.

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43. (withdrawn) A method for promoting urine formation, which comprises administering to a mammal an effective dose of the agonist for a metastin receptor.

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- 44. (withdrawn) A method for preventing/treating obesity, hyperlipemia, type II diabetes mellitus, hypoglycemia, hypertension, diabetic neuropathy, diabetic nephropathy, diabetic retinopathy, edema, urinary disturbances, insulin resistance, unstable diabetes, fatty atrophy, insulin allergy, insulinoma, arteriosclerosis, thrombotic disorders or lipotoxicity, which comprises administering to a mammal an effective dose of the agonist for a metastin receptor.
- 45. (withdrawn) Use of the agonist for a metastin receptor to manufacture a pancreatic glucagon secretagogue agent.
- 46. (withdrawn) Use of the agonist for a metastin receptor to manufacture an agent for promoting urine formation.
- 47. (withdrawn) Use of the agonist for a metastin receptor to manufacture an agent for preventing/treating obesity, hyperlipemia, type II diabetes mellitus, hypoglycemia, hypertension, diabetic neuropathy, diabetic nephropathy, diabetic retinopathy, edema, urinary disturbances, insulin resistance, unstable diabetes, fatty atrophy, insulin allergy, insulinoma, arteriosclerosis, thrombotic disorders or lipotoxicity.